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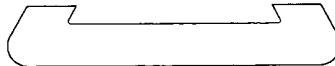
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Attachment to Z-14199/83

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NPIC/IEG (9/83)

16 SEPTEMBER 1983

SA-11 TRANSLOADER CARRIES AN EIGHT MISSILE BASIC LOAD  
EMBA MISSILE TEST CENTER LAUNCH COMPLEX, USSR (SWN)

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1. SIGNIFICANCE: IMAGERY OF EMBA MISSILE TEST CENTER LAUNCH COMPLEX REVEALS THAT THE SA-11 TRANSLOADER CAN CARRY EIGHT SA-11 MISSILES, DOUBLE THE PREVIOUSLY ASSESSED CAPACITY. (SWN)
2. REMARKS: EIGHT MISSILE POSITIONS WERE IDENTIFIED ON AN SA-11 TRANSLOADER ON A HARDSTAND USED FOR TRANSLOADER TESTING AT THE LAUNCH COMPLEX \_\_\_\_\_ SIX OF THE EIGHT MISSILE POSITIONS WERE OCCUPIED BY SA-11 MISSILES (SEE GRAPHIC AND ARTIST'S CONCEPTUAL DRAWING FOR LOCATION OF OCCUPIED MISSILE POSITIONS). TWO SA-11 TRANSLOADERS WITHOUT MISSILES WERE ALSO PRESENT. (SWN)

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THE SA-11 TRANSLOADER WAS FIRST IDENTIFIED IN 1977. IT WAS THEN ASSESSED TO BE CAPABLE OF CARRYING ONLY FOUR MISSILES ON FOUR SHORT RAILS. THE RAILS ARE ON A PLATFORM THAT IS MOUNTED ON THE TRANSLOADER CHASSIS; A CRANE IS ON THE REAR CENTER OF THE PLATFORM. THE PLATFORM WITH MISSILES CAN BE ROTATED AND THE MISSILES AND RAILS ELEVATED IN THE SAME MANNER AS ON THE SA-11 TELAR. THE FOUR NEWLY IDENTIFIED MISSILE POSITIONS ARE ALSO ON THE PLATFORM OF THE TRANSLOADER, BUT AT A LOWER LEVEL. COMPARED TO THE UPPER LEVEL POSITIONS, THE LOWER OUTBOARD PORT AND STARBOARD MISSILE POSITIONS ARE AT THE EDGE OF THE CHASSIS DECK, SLIGHTLY TOWARD THE REAR OF THE VEHICLE. THE LOWER INBOARD PORT AND STARBOARD POSITIONS ARE EVEN FURTHER BACK AND CLOSER TO THE CRANE ATTACHMENT LOCATION. THE FOUR LOWER MISSILE POSITIONS WILL ROTATE LIKE THE UPPER POSITIONS, BUT THEY PROBABLY DO NOT ELEVATE. THE FULL COMPLEMENT OF EIGHT MISSILES HAVE NEVER BEEN IDENTIFIED ON THE TRANSLOADER, ALTHOUGH MISSILES HAVE NOW BEEN IDENTIFIED AT EACH POSITION OVER THE PAST SIX YEARS. THE LARGEST NUMBER OF MISSILES CONFIRMED ON THE TELAR AT ONE TIME WAS SIX

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NPIC/IEG (9/83)

16 SEPTEMBER 1983

ANALYST'S COMMENTS -- IT NOW SEEMS CERTAIN THAT THE SA-11 TRANSLOADER WAS INITIALLY DESIGNED TO CARRY EIGHT MISSILES AND IS NOT A RECENT MODIFICATION. A REANALYSIS OF THE FIRST IDENTIFICATION OF THE SA-11 TRANSLOADER [REDACTED] EARLY IN THE SA-11 TEST PROGRAM, REVEALS THAT THE TRANSLOADER ALWAYS HAD EIGHT MISSILE POSITIONS. (SWN)

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AN SA-11 TRANSLOADER WITH AN EIGHT MISSILE RELOAD CAPACITY WOULD BE CONSISTENT WITH THE TABLE OF ORGANIZATION FOR A SA-11 MISSILE BATTERY. A BATTERY CONSISTS OF SIX SA-11 TELARS, THREE SA-11 TRANSLOADER, A SA-11 COMMAND VEHICLE AND A TUBE ARM RADAR. PAST SOVIET PRACTICE HAS BEEN TO EQUIP BATTERY LEVEL SAM UNITS WITH ONE MISSILE RELOAD (BASIC LOAD) AND ADDITIONAL RELOADS WERE PROVIDED FROM HIGHER ECHELONS. THREE SA-11 TRANSLOADERS, WITH THE CAPACITY TO CARRY A TOTAL OF 24 MISSILES, WILL PROVIDE A SIX TELAR SA-11 BATTERY (EACH TELAR CARRIES FOUR MISSILES) WITH ONE TOTAL RELOAD CAPABILITY. (SWN)

THE SA-11 MISSILE SYSTEM WITH THE EIGHT MISSILE TRANSLOADER WAS FIRST DEPLOYED IN LATE 1982. SINCE THEN THERE HAVE BEEN TWO ADDITIONAL IMAGERY CONFIRMED DEPLOYMENTS. BOTH IN JULY 1983. (SWN) [REDACTED]

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3.

[REDACTED] COORDINATES 48-31-02N 058-02-09E (S)

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